

# GP14 CLASS INTERNATIONAL ASSOCIATION MEASUREMENT FORM

## Notes and Instructions

Before a boat is presented for measurement, the Owner should check that the Builder has signed the declaration on Page 1, and that the boat is fully ready for measurement, including the permanent scribing of the Registered Sail Number.

It is advisable for the Owner to ensure that the boat is fully insured whilst being measured, and the Owner shall be responsible for the good keeping of the boat during measurement.

Measurer's reports are acceptable only on the official forms supplied by the Association. If the Measurer is in any doubt about any feature of the boat the question should be referred to the Chief Measurer of the Association.

### PLEASE NOTE

- A Measurers may not measure their own boats or sails, nor those built by themselves or their immediate relatives, nor those built by their employers or employees.
- B Measurers may not measure boats or sails sold by themselves, their relatives, their associates, employers or employees, within twelve months of the sale.

### COMPOSITION OF THE FORM

For full boat measurement, the Measurement Form is made up a selection of pages from the following as appropriate to the boat being measured. The Measurer should list at the bottom of page 1 which pages are included.

1	Declaration Page - Weight	6	Buoyancy, General Check & Measurer's Report
2	Wooden Hull - Series II	7	Wooden Hull - Series I
3	Wooden Hull - Hull Shape	8	Wood Series I - Modified Mast Step
4	GRP/FRP Hulls	9	Composite Hulls - Series I
5	Metal Spars, Foils	10	Wooden Spars

Separate forms are available for modifications, namely:-

M1	Series I - Modified Mast Step	(Sheet 25)
M2	Series I - Floor Modification	(Sheet 26)

### INSTRUCTIONS

The Association recommends that all hulls should be measured using the Association jig if at all possible, and the Office will advise of the location of the nearest jig.

*Mast and centreboard must be removed from the boat before commencing measurement.*

Sections 1 to 5 must be completed with the hull UPRIGHT and

Sections 6 to 8 with the hull INVERTED.

Any measurements marked **T** are to be taken from the aft face of the Transom parallel to the Base Line. Full instructions are included in the Association Measurer's Manual, which is issued to all Measurers.

ON COMPLETION OF THE FORM THE **MEASURER** WILL SIGN THE DECLARATION ON THE FRONT SHEET, AND THE MEASURER WILL FORWARD THE FORM TO THE HON. SECRETARY OF ASSOCIATION.

**COMPLETED (OR PART COMPLETED) FORMS WILL NOT BE LEFT WITH THE BUILDER, RETAILER OR OWNER OF THE BOAT.**

# THE GP14 CLASS INTERNATIONAL ASSOCIATION

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## MEASUREMENT FORM

Name and Address of Owner	Registered Sail No.	For Office Use Only							
	Builder's Serial No.								
Builders Name and Address	Moulders Name and Address ..... ..... ..... .....								
<b>BUILDER'S / MOULDER'S DECLARATION</b>									
In submitting GP Fourteen number ..... for measurement, I declare that I have built the boat in accordance with the plans, and to the best of my knowledge and belief within the letter and spirit of the Rules. This refers to the current Rules and plans as published by the Association at the time of building. I have made no attempt to depart from the plans in any way, nor to take advantage of the tolerances.									
Builder ..... Moulder .....									
<b>Type of Hull</b>	<b>Correctors</b>								
	Standard correction weight fitted beneath centre thwart 2 equal elements = ..... Max total 7.0 kg								
<b>Weight</b> .....kgs Hull including Centreboard, Buoyancy and fixed Fittings but excluding Sheets, Control Lines, loose Fittings and Correctors	Additional weight forward = two x .....kg Additional weight rear = two x .....kg Total Weight additional correction = .....kg Confirm that all the requirements of Rule 4.3 are fulfilled <b>YES / NO</b>								
<b>MEASURER'S DECLARATION</b>		Sail stamp							
I have carefully inspected and measured this boat and certify that the measurements recorded are correct. In my opinion, the boat complies with the Plans, and has been built within the spirit of the Rules. I am satisfied that no attempt has been made to depart from the design or to take advantage of the tolerances.									
1 ..... 2 .....									
Reg. No ..... Date ..... Reg. No ..... Date .....									
This form comprises pages									
<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>									
Signature of Hon Secretary of Association (passing form) ..... Date .....									

**Page 2 -Wood Series II**  
**Amendment January 2010**

Measurement Instructions		MIN mm	ACTUAL mm	MAX mm
1.1	<b>T</b> Length overall including Stemhead Fitting or Stem Band`	4242		4292
1.2	<b>T</b> to fore-end of the cockpit	2738		2888
1.3	<b>T</b> to aft end of cockpit (forward face of Coaming)	370		520
2	<b>Mast Slot in Deck</b> (read Rule 7.5)			
2.1	Fore & aft (including wooden coaming)	79		83
2.2	Athwartship	n/a		64
2.3	<b>T</b> to aft face of mast slot in Deck	2801		2825
3	<b>Mast step</b>			
3.1	Aft face of Transom to forward edge of aft coloured band (measured direct)	2830		n/a
3.2	Aft face of Transom to aft edge of forward coloured band (measured direct)	n/a		2940
3.3	Height of Mast Track above Floor Level	n/a		22
4	<b>Shroud hole position</b>			
4.1	Distance from sheerline to centre of hole	n/a		63
4.2	Maximum diameter of hole (HA 39 or similar)	n/a		22
4.3	<b>T</b> to centre of Shroud Hole	2398		2410
5	<b>Deck Width &amp; Height</b>			
5.1	Side Deck width	Distance <b>T</b> 457mm	126	178
5.2	Side Deck width	Distance <b>T</b> 2134mm	126	178
5.4	Side Deck width	Distance <b>T</b> 2818mm	270	381
5.5	Sheerline to Floor level	Distance <b>T</b> 2819mm	480	504
<b>Record Beam measurements on page 3 - then invert Hull Using the cross beam at each pre-drilled Station Point Complete all other measurements for Page 3</b>				
6	<b>Stem and Centreboard Bolt</b>			
6.1	Apply the Stem Template with the straight part of the stem lying along the straight part of the Template and the tab resting on the Keelband. Check that no part of the Stem either touches the Template or lies more than 20mm from it. If more than 20mm give distance found	N/a		20
6.2	Base Line to top of Stem	762		812
6.3	Intersection of Base Line with continuation of line of Stem	4128		4178
6.4	<b>T</b> to centre of Centreboard Bolt	2477		2501
6.5	Outer face of Keel to centre of Centreboard Bolt	77		101
7	<b>Keel</b>			
7.1	Width of Keelband (on Stem and at four other points)	16		19
7.2	Is there a gradual taper from Station 1 to Station 2		YES/NO	
7.3	From Station 1 forward, does the Keel fair gradually into the Stem		YES/NO	
8	<b>Bilge Keels</b>			
8.1	Overall length	1981		n/a
8.2	Length of untapered section	1829		n/a
9	<b>Rectangular Scuppers</b> (if fitted)			
9.1	Within maximum permitted size of 180mm wide by 100mm high		YES/NO	
9.2	Nearest point of each scupper to centre line of Transom	75		n/a
9.3	Minimum distance to underside of the Hull	20		n/a
9.7	Do Transom Flaps conform to Rule 3.10 (c)		YES/NO	

**Page 3 - Measurement of Beam and Hull Shape**

	<b>Station 1</b> 3658mm from Transom	<b>Station2</b> 2819mm from Transom	<b>Station 3</b> 1829mm from Transom	<b>Station 4</b> 914mm from Transom	<b>Station 5</b> Transom
<b>A</b>	750	1316	1526	-	1156
<b>B</b>	<b>102</b>	10	11	80	<b>197</b>
<b>C</b>	16	16	16	16	16
<b>D</b>	54	70	-	-	70
<b>E</b>	15	15	-	-	15
<b>F</b>	488	1042	1318	1280	1030
<b>G</b>	288	178	135	197	283
<b>H</b>	626	630	563	463	353
					1180
					1054
					307
					377

## Page 4 - GRP / FRP Hulls

Delete Section A or B  
Amendment January 2010

Measurement Instructions		MIN mm	ACTUAL mm	MAX mm
<b>A HULLS NEWER THAN SAIL NO. 13115</b>				
1.1	<b>T</b> Length overall including Stemhead Fitting or Stem Band`	4242		4292
1.3	<b>T</b> to aft end of cockpit (forward face of Coaming)	370		520
1.4	<b>T</b> to aft face of mast slot in deck	2801		2825
3	<b>Mast step</b>			
3.1	Aft face of Transom to forward edge of aft coloured band (measured direct)	2830		n/a
3.2	Aft face of Transom to aft edge of forward coloured band (measured direct)	n/a		2940
3.3	Height of Mast Track above Floor Level	n/a		22
4	<b>Shroud hole position</b>			
4.1	Distance from sheerline to centre of hole	n/a		63
4.2	Maximum diameter of hole (HA 39 or similar)	n/a		22
4.3	<b>T</b> to centre of Shroud Hole	2398		2410
5.5	Sheerline to Floor level	480		504
A5	Beam at Transom	1156		1180
6.4	<b>T</b> to centre of Centreboard Bolt	2477		2501
6.5	Outer face of Keel to centre of Centreboard Bolt	77		101
7.1	Width of Keelband (on Stem and at four other points)	16		19
<b>B HULLS PREVIOUS TO SAIL NO. 13115</b>				
1.1	<b>T</b> Length overall including Stemhead Fitting or Stem Band`	4242		4292
1.3	<b>T</b> to aft end of cockpit (forward face of Coaming)	433		457
3	<b>Mast step Mortice</b>			
3.4	<b>T</b> to aftermost face of Mast Step	2827		2851
3.5	Length of Mortice (maximum dimension)	n/a		90
4	<b>Shroud hole position</b>			
4.1	Distance from sheerline to centre of hole	n/a		63
4.2	Maximum diameter of hole (HA 39 or similar)	n/a		22
4.3	<b>T</b> to centre of Shroud Hole	2398		2410
5.3	Sheerline to Floor level	556		590
A5	Beam at Transom	1156		1180
6.4	<b>T</b> to centre of Centreboard Bolt	2477		2501
6.5	Outer face of Keel to centre of Centreboard Bolt	77		101
7.1	Width of Keelband (on Stem and at four other points)	16		19

## Page 5 - Metal Spars, Foils

If the boat has a WOODEN mast and/or boom you must complete Measurement Form Page 10

Manufacturer                      Mast ..... Boom .....

10.     **Mast**                      All measurements are from the lowest part of the mast plug or tenon.  
     Dimensions are fixed and no tolerances are allowed  
     Note Rule 11.1.a. Black bands shall be painted  
     Figures in italics refer to the Series II mast

Measurement Instructions		MIN mm	ACTUAL mm	MAX mm
10.1	<b>Which length of Mast?</b> Top of lower "black" band above heel of mast	1270 <i>1170</i>		n/a <i>n/a</i>
10.2	Lower edge of upper "black" band above heel of mast	n/a <i>n/a</i>		6756 <i>6656</i>
10.3	Top of Spinnaker halyard sheave	n/a <i>n/a</i>		5030 <i>4930</i>
10.4	Top of Foresail halyard sheave	n/a <i>n/a</i>		4877 <i>4777</i>
10.5	Top of Spinnaker boom attachment	n/a		1422 <i>1322</i>
11	<b>Boom</b>			
11.1	Forward edge of "black" band to aftermost face of the mast	n/a		2486
12	<b>Spinnaker Boom (optional)</b>			
12.1	Overall length including fittings	n/a		1829
13	<b>Centreboard</b>			
13.1	Blade thickness (check edge beveling Rule 5.1)	13		20
13.2	Length of blade measured parallel with leading edge from centre of bolt hole to tip	945		995
13.3	Bolt hole to leading edge at right angles to the leading edge	61		71
13.4	Cross measurement at the extremity of the centreboard between the extensions of the leading and trailing edges measured at right angles to the leading edge	280		304
13.5	Cross measurement at right angles to leading edge taken at a point 762mm from the extremity	362		374
14	<b>Rudder</b>			
	<u>Original rudder profile</u> should be checked as shown on the plans Then the rudder should be fitted to the boat and fully lowered			
14.1	Length from garboard seam	n/a		597
14.2	Thickness of blade (check bevel - Rule 5.1)	13		20
	<u>Alternative Rectangular Rudder</u> should be fitted to the boat and then fully lowered			
14.3	Length from garboard seam	661		711
14.4	Width of blade	238		244
14.5	Thickness of blade (check bevel - Rule 5.1)	13		20

## Page 6 - Buoyancy, General Check

Has the Boat Owner registered the boat in his/her name?	YES/NO
Is the Boat Owner a current Member of the Association?	YES/NO
Is the boat INSURED?	YES/NO
15    Location of Registered Number carved in hull .....	
16 <b>Buoyancy</b> Check that the buoyancy complies with Rule 15 in all respects All boats having built-in buoyancy must be tested, either by Swamping or by an Air Pressure Test	YES/NO
Type of Test .....	PASS/FAIL
17 <b>General</b> Examine the construction of the boat and complete the following <i>where applicable</i>	
17.1    Compare the construction with the plans. Check in particular the frames and framework, planking, decking and deck beams, chine bone pieces, drain holes through frames and transom. Ensure that the sides and undersides of the frames at STATIONS 2,3,4 & 5 are substantially flat	YES/NO
17.2    Examine the running and standing rigging. Rules 8 & 13	YES/NO
17.3    Examine the fittings, including those on the mast, Rule 14. Ensure that there have been no alterations to the structure other than those allowed under Rule 14.6	YES/NO
17.4    Check that the floor boards are as specified under Rule 3.9	YES/NO
17.5    Check seats conform to Rule 3.14 and to sheet 2 of plans	YES/NO

### Measurer's Report

**Measurer to confirm position of additional correction weight if fitted.**

**Note**

**Forward;( Beneath floor, two elements in region of mast)**

**actual**.....

**Rear;( Fixed to Side benches towards transom, two elements one either side)**

**actual**.....